

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(((driv\$3 near3 torque) with decreas\$3) same (carriage with speed)) and "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:26
L2	5	(((torque) with decreas\$3) same (carriage with speed)) and "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:26
L5	65409	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:32
L6	290	(motor with torque) same ((carriage print\$2head) with (speed velocity)) and (reduce decreas\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:36
L7	30	5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:33
L8	6	7 and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:34
L9	641	((motor with (current torque) same control\$4)) same ((carriage print\$2head) with (speed velocity)) and (reduce decreas\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:36
L10	51	5 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:37
L11	9	10 and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:37
L12	16	("4313124"   "4345262"   "4459600"   "4463359"   "4558333"   "4663982"   "4723129"   "4740796"   "4752786"   "4838717"   "4884909"   "4928050"   "4937593"   "5059049"   "5148203"   "5168291").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 12:40
L13	27	(US-20030201740-\$ or US-20030052633-\$ or US-20040041854-\$ or US-20020101213-\$ or US-20010008370-\$).did. or (US-6877837-\$ or US-6838855-\$ or US-6762577-\$ or US-5940105-\$ or US-6696813-\$ or US-6823792-\$ or US-5963006-\$ or US-6717381-\$ or US-5416395-\$ or US-4587469-\$ or US-5998956-\$ or US-5245359-\$ or US-5097189-\$ or US-5264769-\$ or US-6541934-\$ or US-6617816-\$ or US-5579042-\$ or US-5446358-\$ or US-6608459-\$ or US-5428285-\$ or US-6682167-\$ or US-6015202-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/20 12:53
L14	24	13 and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:53

## EAST Search History

S1	2066	318/560,561.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:07
S2	26	((("6,599,043") or ("6,515,445") or ("20020171702") or ("20020172511") or ("20020172510") or ("20020051670") or ("5,998,956") or ("4,740,796") or ("4,723,129") or ("4,463,359") or ("4,345,262") or ("4,313,124"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 15:45
S3	0	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 14:52
S4	18711	overload\$3 with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:00
S5	0	S2 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 14:52
S6	13	S1 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 14:58
S7	5	S6 and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 14:58
S8	964	(overload\$3 with motor) and (load near3 torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:07
S9	2	S1 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:01
S10	63200	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:01
S11	1	S8 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:01
S12	1727	(overload\$3 with motor) and (load with torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:04

## EAST Search History

S13	1	S10 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:01
S14	3865	(overload\$3 same motor) and (load same torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:01
S15	2	S10 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:02
S16	2	S1 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:04
S17	2	S1 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:04
S18	103671	"318"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:07
S19	335	S8 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:07
S20	341	(overload\$3 with motor) and (load adj torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:13
S21	140	S20 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:11
S22	0	S21 and ink43jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:07
S23	0	S21 and ink\$3jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:08
S24	1	S21 and printing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:08

## EAST Search History

S25	59158	motor with ((first and second) with (speed velocity driving))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:12
S26	639	S10 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:12
S27	9	(load adj torque) and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:13
S28	40	"controlling a motor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:32
S29	27881	controlling adj motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:33
S30	308	(controlling adj motor) same overload\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:34
S31	6	(controlling adj motor) same overload\$3 same velocity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:35
S32	0	S10 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:35
S33	101	S18 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:35
S34	15	S33 and feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:35
S35	385	(controlling adj motor) and (load adj torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:38
S36	5	S10 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:36

## EAST Search History

S37	10512	load adj torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:39
S38	49	S10 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:39
S39	4981	((adjust change correct modulate) with motor) same (overload (load with torque))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:53
S40	2066	318/560,561.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:53
S41	16	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:12
S42	22981	(((driv\$3 voltage) with (pattern input signal)) same (adjust change correct modulate)) with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:15
S43	36265	((driv\$3 voltage) with (pattern input signal)) same ((adjust change correct modulate) with (speed velocity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:20
S44	137	S40 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:17
S45	59	S44 and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:17
S46	3445	(((driv\$3 voltage) with (pattern input signal)) same ((adjust change correct modulate) with (variable with speed)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:23
S47	7	S40 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:20
S48	8	((variable adj speed) with motor) with (PWM (pulse adj "with" adj modulation)) same feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:27

## EAST Search History

S49	2	((chang\$3 adj speed) with motor) with (PWM (pulse adj "with" adj modulation)) same feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:28
S50	225	((((chang\$3 variable) adj speed) with motor) with (PWM (pulse adj "with" adj modulation)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:30
S51	63200	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:29
S52	2	S50 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:29
S53	390	((((chang\$3 variable) adj speed) with motor) with feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:30
S54	2	S40 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:30
S55	3	"5940105".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:44
S56	0	((("first and second") with motor) same (feedback and "open loop"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:46
S57	0	((("first and second") with motor) same (feedback and (open\$2loop)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:46
S58	46	((first and second) with motor) same (feedback and (open\$2loop))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:52
S59	13	((first near4 second) with motor) same (feedback and (open\$2loop))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:51
S60	40	(two with motor) same (feedback and (open\$2loop))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:51

## EAST Search History

S61	9	(synchronization with motor) same (feedback and (open\$2loop))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:57
S62	67	(synchronization with motor) and (feedback and (open\$2loop))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:57
S63	49	((synchronization with motor) and (feedback and (open\$2loop))) and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:57
S64	12	((synchronization with motor) and (feedback and (open\$2loop))) same torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:02
S65	1	((((synchronization and multiple) with motor) and (feedback and (open\$2loop))) same torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:03
S66	12	((((synchronization) with motors) and (feedback and (open\$2loop))) same torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:04
S67	12	((((synchronization) with "motors") and (feedback and (open\$2loop))) same torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:06
S68	23	((((multi multiple) near3 motor) same (torque with (margin difference))) and control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:07
S69	23	((((multi multiple) near3 motor) same (torque with (margin difference))) and (control feedback (open adj loop))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:12
S70	1	1976-B5213X.NRAN.	DERWENT	OR	ON	2005/09/15 09:10
S71	2	((((reference adj motor) and (driv\$3 adj motor)) same synchronization) and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:11
S72	39	((multi multiple) near3 motor) same (torque with (margin difference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:16
S73	103682	"318"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:17

## EAST Search History

S74	25	((step\$4 adj motor) and (dc adj motor)) same (torque with (margin difference change))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 09:19
S75	15	("2831722"   "4157571"   "4254439"   "4651073"   "4797831"   "4938160"   "5295430"   "5332276"   "5800002"   "5857733"   "5915774"   "6052952"   "6118945"   "6230078").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 09:52
S76	65409	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:08
S77	3599	318/34,430-434.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:09
S78	1	S76 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:09
S79	104437	"318"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:09
S80	85	S76 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:09
S81	4	(driv\$3 adj torque) and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:23
S82	17	(driv\$3 with torque) and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:17
S83	357	(driv\$3 with torque) and ((feedback and open\$3loop) near4 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:18
S84	1	S76 and S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:18
S85	10	S77 and S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:18
S86	12	((("6,599,043") or ("6,515,445") or ("20020171702") or ("20020172511") or ("20020172510") or ("20020051670") or ("5,998,956") or ("4,740,796") or ("4,723,129") or ("4,463,359") or ("4,345,262") or ("4,313,124"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/03/18 13:23



## EAST Search History

S87	1	(driv\$3 adj torque) and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:24
S88	4	(driv\$3 with torque) and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/18 13:24
S89	3220	318/430-434.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:50
S90	383	318/34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:51
S91	160	((ink with jet) (bubble with jet) (ink\$2jet bubble\$2jet) print\$3) and S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:05
S92	28	((ink with jet) (bubble with jet) (ink\$2jet bubble\$2jet) print\$3) and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:52
S93	25	((control\$4 with torque) and feed\$2back) and S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:05
S94	1	((control\$4 with torque) and feed\$2back) and S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:04
S95	7	S93 and "pwm"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:57
S96	5	S93 and "pulse width modulation"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:57
S97	919	(canon.as.) and ("318"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:05
S98	182	((ink with jet) (bubble with jet) (ink\$2jet bubble\$2jet) print\$3) and S97	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:05

## EAST Search History

S99	10	((control\$4 with torque) and feed\$2back) and S98	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:06
S10 0	7	S99 and "pwm"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:06
S10 1	6	("4429268"   "4641073"   "4642544"   "4710691"   "4869610"   "5412302").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 09:07
S10 2	3	(torque adj (over\$2load threshold)) same ((velocity scanning) with (lower\$3 decrease reduction reduce))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:34
S10 3	873	(torque with (over\$2load threshold)) same ((velocity speed) with (lower\$3 decrease reduction reduce))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:39
S10 4	5510	347/5,9,19,37,104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:39
S10 5	1	S103 and S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:34
S10 6	65409	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:39
S10 7	1	S103 and S106	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:40
S10 8	1024	(torque with (over\$2load threshold monitor)) same ((velocity speed) with (lower\$3 decrease reduction reduce))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:41
S10 9	1	S108 and S106	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:41
S11 0	3709	((torque current) with (over\$2load threshold monitor)) same ((velocity speed) with (lower\$3 decrease reduction reduce))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:41

## EAST Search History

S11 1	6	S110 and S106	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:42
S11 2	887	347/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:42
S11 3	736253	(torque current) with (controlling control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:42
S11 4	97	S112 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:42
S11 5	5323	((torque current) with (controlling control)) same carriage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:48
S11 6	44	S112 and S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:43
S11 7	9	S116 and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:44
S11 8	570	((torque current) with (maximum)) same carriage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:45
S11 9	7	S112 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:46
S12 0	3	S119 and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:45
S12 1	0	((((torque current) with (overload\$3)) same carriage) and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:48
S12 2	0	((((torque current) with (overload\$3)) same carriage) and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:48

## EAST Search History

S12 3	2	((torque current motor) with (overload\$3)) same carriage) and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:49
S12 4	8	((torque current) with monitor) same (carriage with (speed velocity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:52
S12 5	65409	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:53
S12 6	3220	318/430-434.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:53
S12 7	0	S125 and S126	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:53
S12 8	104437	"318"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:53
S12 9	85	S125 and S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:53
S13 0	14	torque with (control controlling monitor) and S129	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:54
S13 1	4	S130 and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:54
S13 2	25	(US-20030201740-\$ or US-20030052633-\$ or US-20040041854-\$ or US-20020101213-\$ or US-20010008370-\$).did. or (US-6877837-\$ or US-6838855-\$ or US-6762577-\$ or US-5940105-\$ or US-6696813-\$ or US-6823792-\$ or US-5963006-\$ or US-6717381-\$ or US-5416395-\$ or US-4587469-\$ or US-5998956-\$ or US-5245359-\$ or US-5097189-\$ or US-5264769-\$ or US-6541934-\$ or US-6617816-\$ or US-5579042-\$ or US-5446358-\$ or US-6608459-\$ or US-5428285-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/20 10:55
S13 3	13	S132 and pwm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:56
S13 4	11	S132 and (pwm and torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:31

## EAST Search History

S13 5	7	S134 and print\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:57
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